

Date: Tue, 16 Mar 93 12:30:53 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #330  
To: Info-Hams

Info-Hams Digest                      Tue, 16 Mar 93                      Volume 93 : Issue    330

Today's Topics:

        A pair of coax <-> ladder line ???  
            Callsign of Palmyra  
            Dayton Hamvention Information  
            Definition sought: FAB  
Dxer's edge: Kenwood R5K and SM220 Panadapator for sale  
            Foothill hamfest disappointing  
            Help!  
            Help!, mobile noise  
HT antenna gain: relative to what?? (2 msgs)  
            KH5K/KH5 QSL Route?  
            More Newbie Stuff  
Newbie question: What is iambic?  
            qsl and 2X  
            TS-50 Power Mod for QRP  
Want Dual-Band mobile comparisons  
            Weird MT-500 connections

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Tue, 16 Mar 1993 16:21:27 GMT  
From: agate!howland.reston.ans.net!gatech!kd4nc!ke4zv!gary@ames.arpa  
Subject: A pair of coax <-> ladder line ???  
To: info-hams@ucsd.edu

In article <9gyg1B3w165w@precipice.chi.il.us> ant-vent@precipice.chi.il.us (Paul  
Graham) writes:

>  
>Contrary to popular belief, open wire line (when terminated in a balanced  
>load) will NOT radiate, even with a high VSWR. This is because the the  
>currents in the wires are equal and 180 deg. out of phase. The signals  
>radiated by each of the wires will be canceled by the signal radiated by  
>the other wire. A transmission line works by guiding a field from the  
>source to the load, and the field around open line extends out from the  
>line by approx. the spacing between the wires, so the line has to be kept  
>away from everything for its entire run.

This is approximately true. As frequency goes up, a given line spacing will result in greater and greater radiation because the spacing becomes large enough to affect phasing of the waves. At HF, any reasonable open wire line will maintain proper phase relationships for cancellation of the far field, but at VHF and especially at UHF, wide spaced line radiates.

Gary

--  
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary  
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary  
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary  
Lawrenceville, GA 30244 | |

-----  
Date: Tue, 16 Mar 1993 18:27:09 GMT  
From: sdd.hp.com!zaphod.mps.ohio-state.edu!wupost!csus.edu!netcom.com!  
pineapp@network.UCSD.EDU  
Subject: Callsign of Palmyra  
To: info-hams@ucsd.edu

I am distributing this for a fellow ham. Please send all replies to  
iggy@vicor.com.

Hi Dan,  
Would you help me find the callsign of Vincent in Palmyra with whom I had a  
QSO yesterday (3/16/93 at 0300 GMT). They never transmitted their call.  
Isn't that illegal? I thought you have to identify yourself every 10  
minutes. Thanks for your help, iggy

--  
Dan Curry | WB6STW  
Pineapp@netcom.com | K6ANN Rptr 444.500

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Date: Tue, 16 Mar 1993 18:58:02 GMT

From: usc!howland.reston.ans.net!bogus.sura.net!darwin.sura.net!ukma!  
netnews.louisville.edu!harpe@network.UCSD.EDU  
Subject: Dayton Hamvention Information  
To: info-hams@ucsd.edu

I'm curious. Last year after Dayton it was widely reported that last year was the last year for Dayton at Hara Arena. Now i'm seeing that it's still there. What's the deal?

Mike

--

Michael Harpe, Programmer/Analyst      Information Technology, Ormsby Bldg.  
harpe@hermes.louisville.edu      University of Louisville  
(502)588-5542      Louisville, Ky. 40292  
"He's not a man, he's a remorseless eating machine!" - The Simpsons

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Date: Tue, 16 Mar 1993 17:51:38 GMT  
From: usc!wupost!gumby!destroyer!cs.ubc.ca!fornax!girling@network.UCSD.EDU  
Subject: Definition sought: FAB  
To: info-hams@ucsd.edu

This may seem a tangential question, but in the late 1960's there was a British SF puppet show called the "Thunderbirds". In it, the characters always used the term "F.A.B." in their radio communications -- the context being "message understood, will comply", or "roger". Given they used other aeronautical abbreviations (e.g. ETA) without clarifying them, is/was F.A.B. a common (British-only?) aeronautical or communications term in the late '60's?

Prethanks,  
Doug

--

Doug Girling      | Voice: (604)291-4428 FAX: (604)291-4951  
School of Engineering Science      | Usenet: girling@cs.sfu.ca  
Simon Fraser University      | Bitnet: girling%cs.sfu.ca@relay.cdnnet.ca  
Burnaby, B.C. V5A 1S6 CANADA      | CompuServe: 73777,50

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Date: 16 Mar 93 18:00:29 GMT  
From: netcomsv!netcom.com!crisp@decwrl.dec.com  
Subject: Dxr's edge: Kenwood R5K and SM220 Panadapator for sale  
To: info-hams@ucsd.edu

I have a really fine dxing setup for sale: a Kenwood R5000 with a Kenwood

SM220 panadaptor/station monitor. Basically the panadaptor allows you to visually examine +/- 50Khz worth of spectrum around where you are tuned. This allows you to see the nearby signals you are missing.

The R5000 is a very nice specimen and for those unfamiliar with it, one of the finest shortwave receivers you can buy. The audio is far superior to the NRD 535/525 radios that I own.

You can get this nice DX setup for \$1000 and I guarantee it to be in good working order etc.

--

Richard Crisp	Cupertino, Ca.	crisp@netcom.com
(415) 903-3832 wk		(408) 253 4541 fax
"When I make a joke, no one gets hurt; when Congress makes a joke, it becomes law"		
	-Will Rogers	

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Date: 16 Mar 1993 17:44:42 GMT  
From: dog.ee.lbl.gov!overload.lbl.gov!agate!darkstar.UCSC.EDU!ra.UCSC.EDU!  
sutin@network.UCSD.EDU  
Subject: Foothill hamfest disappointing  
To: info-hams@ucsd.edu

In article <randall.732247996@seashore> randall@informix.com (Randall Rhea) writes:

>I want to say first that I enjoy hamfests very much, and that  
>I really appreciate the one they hold at Foothill College...  
>[...]  
>The first problem, and this may be a problem with hamfests  
>in general, is that there are fewer and fewer "Joe Hams"  
>who are selling one or two items. Most of the sellers

They are at Livermore flea market.

>[...]  
>I was one of dozens of sellers who were turned away due  
>to lack of selling space, even though I arrived well before  
>the supposed 7:00am starting time...

Lot opens for sellers at 5:30. You were late.

Besides, there is always room at Livermore.

>[...Remains deleted due to obvious truthdom.]

>Randall Rhea

Informix Software, Inc.

Brian Sutin                               sutin@lick.ucsc.edu  
Lick Observatory, UCSC               Santa Cruz, CA 95064  
Fred:    "May I rescue you?"  
Ginger: "No, thank you. I prefer being in distress."

-----  
Date: Tue, 16 Mar 1993 19:17:00 GMT  
From: mcsun!news.funet.fi!hydra!klaava!tkivivuo@uunet.uu.net  
Subject: Help!  
To: info-hams@ucsd.edu

Hello!

Does anyone of you know the internet address of Gnter Hoch, DL6WU ? Does he even have one ?

/Toni

--  
Toni Kivivuori                               | Hamradio, feel the real thing  
InterNet : Tkivivuo@kruuna.helsinki.fi    | Speed kills - Use DOS!  
BitNet    : Tkivivuori@finuha             | " What whistling comes, will  
Packet    : OH2LNM @ OH2NJR.FIN.EU       | whistling go " (c) Doppler

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Date: Tue, 16 Mar 1993 18:18:38 GMT  
From: usc!wupost!crcnis1.unl.edu!news.unomaha.edu!cwis.unomaha.edu!  
rerickso@network.UCSD.EDU  
Subject: Help!, mobile noise  
To: info-hams@ucsd.edu

I think you might consider ferrite beads or a ferrite external choke Radio Shack sells. By passing your voltage line with a 500 pfd capacitor to ground might help too. I am assuming you are having computer interference. If hook the capacitor to DC ground, I would use at least a voltage rating of 1 kV.

73,

Ron  
AK0N

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Date: Tue, 16 Mar 1993 17:16:17 GMT  
From: usc!howland.reston.ans.net!spool.mu.edu!mixcom.com!  
kevin.jessup@network.UCSD.EDU  
Subject: HT antenna gain: relative to what??  
To: info-hams@ucsd.edu

I've got a question regarding published specs of antenna gain in manufacturer's catalogs of HT antennas: rubber ducks, telescopes, whips and the like.

A gain figure is usually stated. Something like, "This antenna will give you 3dB gain over your stock antenna." How in the heck do THEY know how good my stock antenna is? How did they come up with these 3 (and up to 6!) dB gain figures for their products?

6 dB gain relative to what? A 50 ohm resistor attached to my HT's BNC connector?

If two manufacturers are selling a 2 meter 1/2 wave whip, can I assume BOTH will be absolutely identical? I would certainly hope so.

Thanks for the info. Still new at this. Got my license on Saturday!

And on another subject...are any hams out there doing any spread spectrum work? It sounds very interesting. Also, wasn't ARRL going to come out with a spread spectrum handbook or something? AES here in Milwaukee says it is not yet available.

How do you like that? From a newbie antenna question to spread spectrum technology all in about 25 lines!! ;-)

--

Kevin Jessup, N9SQB      kevin.jessup@mixcom.mixcom.com

"Friends don't let friends run DOS."

-- Microware

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Date: 16 Mar 1993 19:48:30 GMT  
From: usc!howland.reston.ans.net!noc.near.net!transfer.stratus.com!  
jester.hw.stratus.com!tjm@network.UCSD.EDU  
Subject: HT antenna gain: relative to what??  
To: info-hams@ucsd.edu

In article <1993Mar16.171617.21110@mixcom.com>, kevin.jessup  
<kevin.jessup@mixcom.mixcom.com> writes:

> I've got a question regarding published specs of antenna gain in  
 > manufacturer's catalogs of HT antennas: rubber ducks, telescopes,  
 > whips and the like.  
 >  
 > A gain figure is usually stated. Something like, "This antenna will  
 > give you 3dB gain over your stock antenna." How in the heck do THEY  
 > know how good my stock antenna is? How did they come up with these  
 > 3 (and up to 6!) dB gain figures for their products?  
 >  
 > 6 dB gain relative to what? A 50 ohm resistor attached to my HT's  
 > BNC connector?  
 >

A half wave dipole in free space. ...usually.

tjm

--

Tim McNamara - KC1LM  
 tjm@jester.hw.stratus.com  
 Stratus Computer Corp.  
 Hardware Engineer

Send lawyers, guns, and money.

                  \_\_|\_\_  
 x-----0(o)0-----x

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 Date: Tue, 16 Mar 1993 18:25:01 GMT  
 From: usc!news.cerf.net!proton!psi.illumc.edu!britton@network.UCSD.EDU  
 Subject: KH5K/KH5 QSL Route?  
 To: info-hams@ucsd.edu

Does anybody have the QSL info for the KH5 teams? I don't believe  
 confirmation was mentioned in any of the pre-expedition hoopla, or  
 on the air.

N9NS/KH5K (Kingman Reef)  
 N0AFW/KH5 (Palmyra/Jarvis Island)  
 PA0ERA/MM3 (On the boat enroute to KH5K)

Judging by the pileups, a LOT of people will be looking for this  
 information!

Thanks! Good DX to all de k0wwg, Barrie

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 Date: 16 Mar 1993 16:14:44 GMT  
 From: usc!howland.reston.ans.net!noc.near.net!news.bbn.com!bbn.com!  
 levin@network.UCSD.EDU  
 Subject: More Newbie Stuff

To: info-hams@ucsd.edu

dbraun@cad636.intel.com (Doug Braun ) writes:

|1: What's the best reference for exactly which parts of what bands each  
|class of licensee may operate on, with what power and what emission types?  
|I have seen this info scattered piecemeal through the study guides, etc.,  
|but never concisely presented in one place.

The ARRL Rule Book has a chapter on this. It describes each band and  
describes in detail any restrictions, the possibly conflicting uses  
and privileges assigned on the band to other services and/or in other  
countries, and best of all details the band plan, by which custom,  
convention and agreement assign uses to various pieces of each band  
(though I think they refer you to the Repeater Directory for details  
of the VHF/UHF channel assignments).

| If there are one or two  
|books that have all the facts you really need to effectively operate, could  
|you recommend them? (I guess would be the ARRL Operating Guide and  
|their FCC Regs book)

Exactly right. Everyone should have the rule book (or at least a copy  
of Part 97, which is an appendix of the rule book); and I have  
previously recommended the ARRL Operating Manual as a source of how-to-  
get-started information on just about every area of interest in ham  
radio as well as tons of useful information in its reference chapter.

/JBL

=

Nets: levin@bbn.com | "Earn more sessions by sleeving."

pots: (617)873-3463 |

N1MNF/AA |

-- Roxanne Kowalski

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Date: Tue, 16 Mar 1993 18:33:54 GMT

From: gulfaero.com!ux1.cso.uiuc.edu!mingyu@network.UCSD.EDU

Subject: Newbie question: What is iambic?

To: info-hams@ucsd.edu

I remember a while back somebody posted an article describing the  
movements of paddle for every character and digit. Would someone  
post it again? Or maybe just send me a copy if you think there lacks  
general interest.

mingyu, kd4ejr



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Date: Tue, 16 Mar 1993 13:59:27 GMT  
From: ghost.dsi.unimi.it!barp@tcgould.tn.cornell.edu  
Subject: qsl and 2X  
To: info-hams@ucsd.edu

I'm IK2QCC Andrea Barp Milano Italy.

Dx'ing is my preferite activity in Ham-Radio, and connect new Countries is what I try to do on the bands.

But when arrives the QSLs confirming the contacts some troubles raises. More or less 40% of cards I received haven't under mode of qsos the "2X".

More or less all diploms exept DXCC need that 2x MODE. For example 40% of USA qsls hasn' 2X ssb or 2X CW and so i can use these cards only for submitting a dxcc request, but how many times I've to confirm a US State to submit a WAS request??

Anyway all those qsos were in two-way mode and so why not confirm that? I never did a cross mode qso but from my qsl cards seems that 60% of mines was.

So for me is basically important to operate correclty on the bands, but is fondmental that that precision will be put also in writing cards.

For example I've a nice collection of cards with a pre stamped array with 2X MODE column, but with a computer label on it saying only for

example: IK2QCC 12.00 14 SSB 59. And the 2X?

So if we all try to pay a little more attention in all the actions related to our activity I think that this will be appreciated also from our correspondents.

Or I'm wrong?

73's to all and doog DX'ing to everybody.

IK2QCC    Andrea Barpa                    Internet barp@ghost.dsi.unimi.it  
PO BOX 14052  
20140 Milano Italy

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Date: Tue, 16 Mar 1993 18:08:29 GMT  
From: pacbell.com!well!roy@network.UCSD.EDU  
Subject: TS-50 Power Mod for QRP  
To: info-hams@ucsd.edu

"Honey - I Shrunk the Rig"  
by Bob Gobrick WA6ERB

No this is not an article about Kenwood shrinking their new TS-50 HF rig into a "CB" sized package, but the "shrinking" of the low power level on the TS-50 from 10 watts to 5 watts output in order to "officially" comply with the nationally recognized QRP power level for contest operation.

Prepare yourself before you remove any covers from the TS-50 - this is no Hallicrafters (feel a little dated) with 6L6's glowing in the inside. All components are surface mounted and to conserve space surface mounted subassemblies stand up at right angles all over the place. No place to work with that stubby tipped Weller soldering gun. But have no fear, this QRP mod is simple - you just need a screwdriver with a blade the size of a toothpick.

If you check the schematics you will see on the TX/RX board two potentiometers to set the Low 10 watt (pot VR15) and Medium 50 watt (pot VR16) power levels. The high power level is fixed at 100 watts by resistor R214. Our goal is to get to VR15 and set it for a 5 watt output.

First remove the top cover, set aside speaker and remove the latched speaker bracket (gives you better operating room). Locate two teeny-weeny pots next to IF filter module in the middle of the TX/RX board. The pot closest to the front panel is VR15 (low power adjust) and the one closest to the back of the rig is VR16 (medium power adjust) - the pots are somewhat marked on the PC board. Hook up a QRP wattmeter, dummy load and power and while in the low power mode adjust the pot (I used a flat blade calibration tool I had around) for 5 watts. That's it. You may notice that you can crank the pot all the way down to 0 watts so set where you want. I suspect the medium power adjustment with VR16 can also go to zero so maybe you can go QRPp by setting the low power pot for 999 mw and the medium power pot for 5 watt.

PS: Kenwood Service cautioned that their automatic antenna tuner requires 10 watts to actuate so this adjustment may affect that operation. You may want to check if Kenwood actuates the low power mode when the antenna Tune button is pressed. Also don't expect to run this rig off of a small solar cell for field day - the unit and all of it's surface mounted components draws a bit of power - enough for the internal fan to come on even in the QRP low power mode.

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Date: Mon, 15 Mar 1993 22:57:31 EST

From: uunet.ca!xenitec!lemsys!clemon@uunet.uu.net  
Subject: Want Dual-Band mobile comparisons  
To: info-hams@ucsd.edu

I threw this out on the net before and only got one email response. It's possible that it got eaten somewhere or that no one has any opinions (after what I've seen in the last 6 months, I don't think that's the case :-). Also, since the Alinco DR-600 has been around for a little while now, it will probably be easier to get an answer :

I'm looking for comparisons, or any observations, between/about the following rigs :

Kenwood TM-741A (let's say the TM-732 as well)  
Standard C5608D  
Alinco DR-600T  
and possibly ICOM IC-2410H

I would like to hear any comments you have after having owned or tried one of these rigs. If you own one, what have you noticed that you really like or dislike, that isn't the kind of information that you find in a brochure (ie. you really hate the way that radio X stops scanning on a channel with a carrier but incorrect PL, or the way that you cannot have CTCSS different from the PL encode when crossbanding etc...etc...).

I am especially interested in the performance of the radios. What is a rig with loads of bells and whistles if the radio sucks, right? This is going to be a base station radio at first, so intermod runs wild and free in my antenna :-). How is the intermod in these rigs compared to previous rigs. I don't think comparison to a single band rig would be fair, however. I think that I will be putting a bandpass filter on the 2-meter portion of the antenna anyways, but I'm still interested in hearing about these rigs running stock. Obviously, the rig would have to have separate VHF/UHF antenna connections to make this easy since I have a dual-band base antenna and I don't feel like buying 2 duplexers just to insert a filter! Mechanical construction is also somewhat of a factor.

Please, any comments you can offer on these radios would be greatly appreciated. If you post, it might be a good idea for cc: in email as well, since I might not get to read all of the news or something might happen to my newsfeed (a little flaky getting a good connection lately).

Thank you in advance de

— —

Craig Lemon VE3XCL (Advanced) - clemon@lemsys.UUCP <-home-> +1 519 741 0297  
 SCHOOL: calemon@sunee.uwaterloo.ca | 1B Electrical Engineering  
 TCP/IP: ve3xcl@ve3xcl.ampr.org [44.135.84.51] | University of Waterloo

AX.25 Packet: ve3xcl@ve3euk.#SWON.ON.CAN.NA | Waterloo, Ontario, CANADA

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Date: 16 Mar 93 12:38:50 GMT  
From: usc!howland.reston.ans.net!spool.mu.edu!news.nd.edu!bsu-cs!bsu-ucs.uucp!  
yang.earlham.edu!jeremiah@network.UCSD.EDU  
Subject: Weird MT-500 connections  
To: info-hams@ucsd.edu

I have a pair of older Motorola MT-500 "Handie-Talkie" (slick name) portables. They have this old-style motorola screw-in antenna connection. The problem is, the threads start much deeper down the recess than the new ones, so stubby UHF antennas made for newer units don't fit in them.

All the other connections are bizarrely nonstandard too. The earpiece and external antenna jacks are 2.5 mm phono (identical so it's \*really\* easy to plug 'em in wrong). The external mike/speaker unit has a questionably sound mechanical connection dealy going where you hook a lip over a notch, and screw down another part.

So I'm looking for adapter or compatible part availability. I've never dealt with these crystal tuned Motorola thingys before, so I don't know Motorola's number or anything.

--

Jeremiah Wilton | jeremiah@yang.earlham.edu | JEREMIAH@EARLHAM.BITnet |  
| NeXTmail only: jeremiah@math.earlham.edu |

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Date: Tue, 16 Mar 93 18:13:01 GMT  
From: orca!bambam!alan@uunet.uu.net  
To: info-hams@ucsd.edu

References <1993Mar15.161155.399@bnr.ca>,  
<1993Mar16.015844.25131@odin.corp.sgi.com>, <1993Mar16.160653.13026@ke4zv.uucp>  
Subject : Re: A few QRP related questions.

Actually, unless something has changed, the 30 meter band is still "off limits" to Field Day operation. All other amateur bands and modes may be used for valid FD QSOs. It is correct to say that Field Day is technically not a contest since no awards are given, and no winners are declared.

--

Alan Brubaker, K6X0 |~|\_ "Pumps have handles, Hams have names;  
<IYF disclaimer> | \* |mine's Lee, what's yours?" - Lee Wical,  
Internet: alan@dsd.es.com|\_\_\_\_|KH6BZF, the Bloomin' Zipper Flipper.

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Date: Tue, 16 Mar 1993 16:06:53 GMT  
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!gatech!kd4nc!  
ke4zv!gary@network.UCSD.EDU  
To: info-hams@ucsd.edu

References <1993Mar15.142552.26594@bnr.ca>, <1993Mar15.161155.399@bnr.ca>,  
<1993Mar16.015844.25131@odin.corp.sgi.com>  
Reply-To : gary@ke4zv.UUCP (Gary Coffman)  
Subject : Re: A few QRP related questions.

In article <1993Mar16.015844.25131@odin.corp.sgi.com> adams@chuck.dallas.sgi.com  
(Charles Adams) writes:

>i won't repeat Michael's post, VE3WMB.

>

>but he did bring up an interesting question. is the ARRL allowing  
>Field Day on the WARC bands? i thought we had an agreement to stay  
>off them critters for ALL major contests. am i ignorant and/or  
>misinformed?

>

>don't flame me, i'll be working QRP field day, but not on the WARC  
>bands.

For shame Chuck, Field Day isn't a \*contest\*, it's an emergency  
preparedness drill. At least that's the ARRL official line, so  
it operates all bands, all modes.

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244				

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End of Info-Hams Digest V93 #330

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